

BKP 450

Advanced Heat Pipe Dehumidifier



Standard Features

- * Dehumidifier heat pipe enhancement
- * Heavy duty painted sheet metal cabinet
- * Long life Copeland® scroll compressor
- * Time delay relay for compressor protection
- * Freeze protection
- * Remote dehumidistat control
- * Built-in filter dryer
- * Easy access for servicing
- * Squirrel cage high static/low noise blower
- * Duct flanges

Optional Feature

- * Condensate pump package



**Heat Pipe
Technology, Inc.**

"A World of Difference."

Shipped separate for installation by contractor

Performance Table - BKP 450

| Inlet Air Temp | POUNDS PER DAY | Inlet Relative Humidity | | | | | | |
|----------------|----------------|-------------------------|-----|------------|-----|-----|-----|------|
| | | 40% | 50% | 60% | 70% | 80% | 90% | 100% |
| 55°F | | ... | ... | ... | ... | ... | ... | 308 |
| 60°F | | ... | ... | ... | 242 | 308 | 361 | 396 |
| 65°F | | ... | 185 | 255 | 312 | 396 | 440 | 493 |
| 70°F | | 132 | 238 | 321 | 383 | 466 | 528 | 576 |
| 75°F | | 185 | 290 | 383 | 453 | 528 | 594 | ... |
| 80°F | | 242 | 343 | 440 | 519 | ... | ... | ... |
| 85°F | | 290 | 374 | 484 | ... | ... | ... | ... |
| 90°F | | 330 | ... | ... | ... | ... | ... | ... |

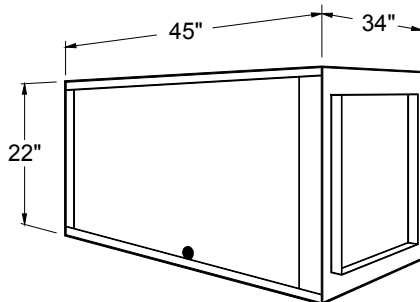
... Contact factory.

☐ (double box) indicates rating conditions at 80°F, 60% RH.

Performance data may vary with conditions at each installation and is provided only as a guide for selecting the correct dehumidifier.

Specifications

BKP 450



| Model | 450 |
|---|-----------------|
| Dimensions (WxHxD) (in.) | 45 x 22 x 34 |
| Net Weight (lbs) | 290 |
| Air Flow (CFM) | 1,000 |
| Refrigerant | R-22 |
| Condensate Pump* | Optional |
| Drain Connection Size | 3/4" NPT |
| Heat Added to Space (Btu/hr) | 12,000 |
| Blower Size (Dia. x w) (in.) | 10 x 8 |
| Ext. Static Pressure (in. WG) | 0.3 |
| Air Outlet (WxH) (in.) | 10 1/2 x 11 3/8 |
| Air Inlet (WxH) (in.) | 27 x 18 |
| Filter (in.) | 2 - 16 x 16 x 2 |
| <i>Electrical</i> | |
| Power 60 Hz | 208-230V / 1ph |
| Compressor RLA (Amp) | 20.4 |
| Compressor LRA (Amp) | 109 |
| Blower Motor Power (HP) | 1/2 |
| Max. Fuse or HACR Circuit Breaker (Amp) | 50 |
| Min. Circuit Ampacity (Amp) | 29 |
| Full Load Power Consumption (kW) | 4.4 |
| Normal Operating Power Consumption (kW)** | 3.5 |

* Shipped separate for installation by contractor.

**At 80°F, 50% RH.

Specifications subject to change without notice.



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